

**To:** Christner, Jan[Jan.Christner@WestonSolutions.com]  
**From:** Way, Steven  
**Sent:** Tue 9/8/2015 3:37:11 AM  
**Subject:** RE: A72 Metal Concentrations - Draft

Jan,

Thank you for producing this information; it's very helpful. The statement in Item 4 regarding using this for predicting the need for treatment or not is most definitely what I believe is needed to assist in the discussion. That's why I wanted to see how the predicted values from this approach would compare to the actual. It appears it's reasonably close – especially for what we are attempting to do. So, the predicted concentrations for the low flow months (using the median values or means, which is more appropriate, for Dec, Jan, Feb ) need to be generated.

Also, on the last table regarding removal efficiency, it's not obvious how we have 100% removal for total Zn vs. 29% Dissolved. Let's discuss. No need to reply.

Let's talk in the AM.

Thanks

Steve

Steven Way

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**From:** Christner, Jan [mailto:Jan.Christner@WestonSolutions.com]  
**Sent:** Monday, September 07, 2015 5:55 PM  
**To:** Way, Steven  
**Subject:** A72 Metal Concentrations - Draft

Steve,

Please see the attached draft document that provides a summary of current, historic, and predicted metal concentrations at A72. A brief discussion of contaminant removal in the temporary ponds is also provided. This document is for your review and is not final, but I wanted to get your input before proceeding. The graphs and statistics described in Section 2 are very telling and worth a look, particularly for evaluating the effectiveness of the temporary treatment ponds.

#### Topics

1. Current (August 2015) concentrations at A72
2. Current vs. historic concentrations at A72
3. Relative flow and load contributions to A72 from A68, CC48, and M34
4. Predicted metal concentrations at A72 (only uses historic events with similar flows to current). [We might want to add the potential impacts from lower flows if this information will be used to determine the need for GKM discharge treatment over the winter months.]
5. Initial review of temporary treatment pond effectiveness

Please let me know if you would like additional information or want to see this information presented in a different way. For example, you might want to see additional information on the graphs (e.g., flow with the Graph Set 2 graphs?).

If you want a finalized document, I can turn this into a technical memorandum. I will have someone review the data and spreadsheets behind this document before finalizing.

Hope you got some restful time off. Have a safe drive back if you head out again tomorrow.

Jan

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